

WHAT IS CLAIMED IS:

1. A simulator comprising:

a parameter gathering unit that gathers parameters from a plurality of portions in a network;

5 a future prediction unit that according to the parameters gathered by said parameter gathering unit predicts a future state in said network over a prescribed length of time;

a model creation unit that creates a model  
10 corresponding to said network;

a parameter application unit that applies the parameters gathered by said parameter gathering unit to the model created by said model creation unit; and

a simulation unit that executes simulation according  
15 to the model created by said model creation unit.

2. The simulator according to claim 1 further comprising a display unit that displays the result of prediction by said future prediction unit and the result of simulation  
20 by said simulation unit.

3. The simulator according to claim 1,  
wherein said parameter gathering unit gathers the parameters corresponding to a plurality of segment pairs  
25 in said network; and

wherein said future prediction unit predicts the future state over a prescribed length of time in corresponding relationship to a plurality of the segment pairs.

5

4. The simulator according to claim 3,

wherein said display unit displays the result of prediction by said future prediction unit and the result of simulation by said simulation unit in such a way that  
10 these results correspond to the segment pairs.

5. The simulator according to claim 2,

wherein said display unit displays whether the result of simulation by said simulation unit satisfies the  
15 performance standard of said network that has been set by a user beforehand.

6. A simulation method comprising the steps of:

gathering parameters from a plurality of portions in  
20 a network;

predicting a future state in said network over a prescribed length of time based on the gathered parameters;

creating a model corresponding to said network;

applying the gathered parameters to the created model;

25 and

executing simulation based on the created model.

7. The simulation method according to claim 6, further comprising a step of displaying the result of prediction  
5 and the result of simulation.

8. The simulation method according to claim 6,  
wherein parameters are gathered corresponding to a plurality of segment pairs in said network; and

10 the future state is predicted over a prescribed length of time in corresponding relationship to a plurality of the segment pairs.

9. The simulation method according to claim 7,  
15 wherein the result of prediction and the result of simulation are displayed in such a way that these results correspond to the segment pairs.

10. A computer readable medium for storing instructions,  
20 which when executed on a computer, causes the computer to perform the steps of:

gathering parameters from a plurality of portions in a network;

predicting a future state in said network over a  
25 prescribed length of time based on the gathered parameters;

```

        creating a model corresponding to said network;
        applying the gathered parameters to the created model;
and
        executing simulation based on the created model.

```